

pg 88

Structure of DNA

Nucleic Acids

Dexoyribose
(sugar)

phosphate

Backbone

Purines
(2 rings)

Pyrimidines
(1 ring)

Chargaffs Rule :

1:1 Ratio of pyrimidines
~~pyrimidines~~ and
purines.

$$\% A = \% T$$

$$\% G = \% C$$

(A) Adenine

↔ Thymine (T)

↕

&
(G) Guanine

↔ Cytosine (C)

* Shape - double helix
- Anti-parallel

5' → 3'
3' → 5'

EX $20\% A = \underline{20\% T}$

$\underline{30\% G} = \underline{30\% C}$

